Wilbur W. Mayhew
Division of Life Sciences
University of California
Riverside, California

8½" x 5½"

Journal

Birds

Reptiles

Journal

(1 km = .62 mile)(mile = 1.6 km)

Distances Between Points

Collecting site, Yuma Dunes — Brawley:	23 miles
Brawley - Westmoreland :	7 "
Westmoreland — Kane Springs:	15 "
Kane Springs — Highway 78-99 Intersect:	2 "
Highway 78-99 — Squeaky Springs:	11 "
Squeaky Springs — Salton City:	2 "
Salton City — Truckhaven :	1½ "
Truckhaven — Desert Shores:	9 "
Desert Shores — Oasis :	5 "
Oasis — Desert Dream Cafe & Date Shop:	8 "
Desert Dream Cafe — Coachella :	7 "
Coachella — Indio:	4 "
Indio — 1000 Palms:	11 "
1000 Palms — "Granddaddy Dune":	5 "
"Granddaddy Dune" — Deserted gas station:	2 "
Collecting site, Yuma Dunes — Glamis:	5 "
Indio (diameter) :	3 "
Single All-Amer. (Highline Canal) Canal Bridge — dirt road north :	6 "
UCR — Palm Desert:	73 "
UCR — Algodones Dunes collecting site:	170 "
Double All-Amer. Canal Bridge (Coachella) " " :	2 "
UCR — San Gorgonio wilderness area parking:	50 "
"Granddaddy Dune" — Palm Desert:	14 "
Palm Desert — end of road in Research Area:	6 "
Brawley — junction hiways 78 + 99:	25 "
Truckhaven — " " " " :	14 "
Truckhaven — Indio:	33 "
Indio — Riverside:	74 "
Highway 111 - Portola Ave — UCR Deep Canyon area:	4.4 "
29 Palms — UCR:	90 "

Distances Between Points

29 Palms – Dale Dry Lake collecting station (IV): 22 miles
UCR – Dale D. L. collecting station: 112 "
Highway 99 – Lone Barchan, Tule Arroyo: 4 "
UCR – 1 mi. W. of Phelan, San Bernardino Co.: 42 "
UCR – Cajon Junction, San Bernardino Co.: 31 "
Cajon Junction – 1 mi. W. of Phelan: 11 "
UCR – "Granddaddy Dune": 53 "
UCR – Mojave River, 2 mi. N. of Cedar Springs: 45 "
UCR – 15 Mile Point (7½ mi. W. of Lucerne Valley): 65 "
UCR – 5 mi. W. of Desert Springs: 51 "
Stoddard Well Road – S. Fork campgd., Barton Flats: 70 "
S. Fork campgd., Barton Flats – San Gorgonio Wild. A.: 12 "
Mecca – Highway 115 turnoff east of Brawley: 63 "
29 Palms – Belle Campground, Joshua Tree Nat'l. Mon.: 9 "
29 Palms – Highway 60-70: 44 "
29 Palms – Mecca: 62 "
Highway 60-70 – Mecca: 19 "
29 Palms – campsite 5 mi. W. of Glamis: 143 "
Campsite, Dale Dry Lake – campsite 5 mi. W. of Glamis: 165 "
UCR – Pigeon Pass Road at Sunnymead: 4.8 "
Highway 60 – road to top of Box Springs Mts.: 4.4 "
Length of road to top of Box Springs Mts.: 3.4 "
UCR – road to top of Box Springs Mts. (McGregor Ranch turnoff): 9.2 "
Junct. McGregor Ranch Rd – Pigeon Pass Road — UCR (N. route): 8.2 "
UCR – South Fork Campgd., Barton Flats: 44 "
UCR – Wrightwood: 46 "
Wrightwood – Big Pines: 4 "
Wrightwood – Blue Ridge campground: 8 "
Wrightwood – Mt. Top Junction: 5 "
Mt. Top Junction – Cajon Junction: 9 "
Cajon Junction – Wrightwood: 14 "

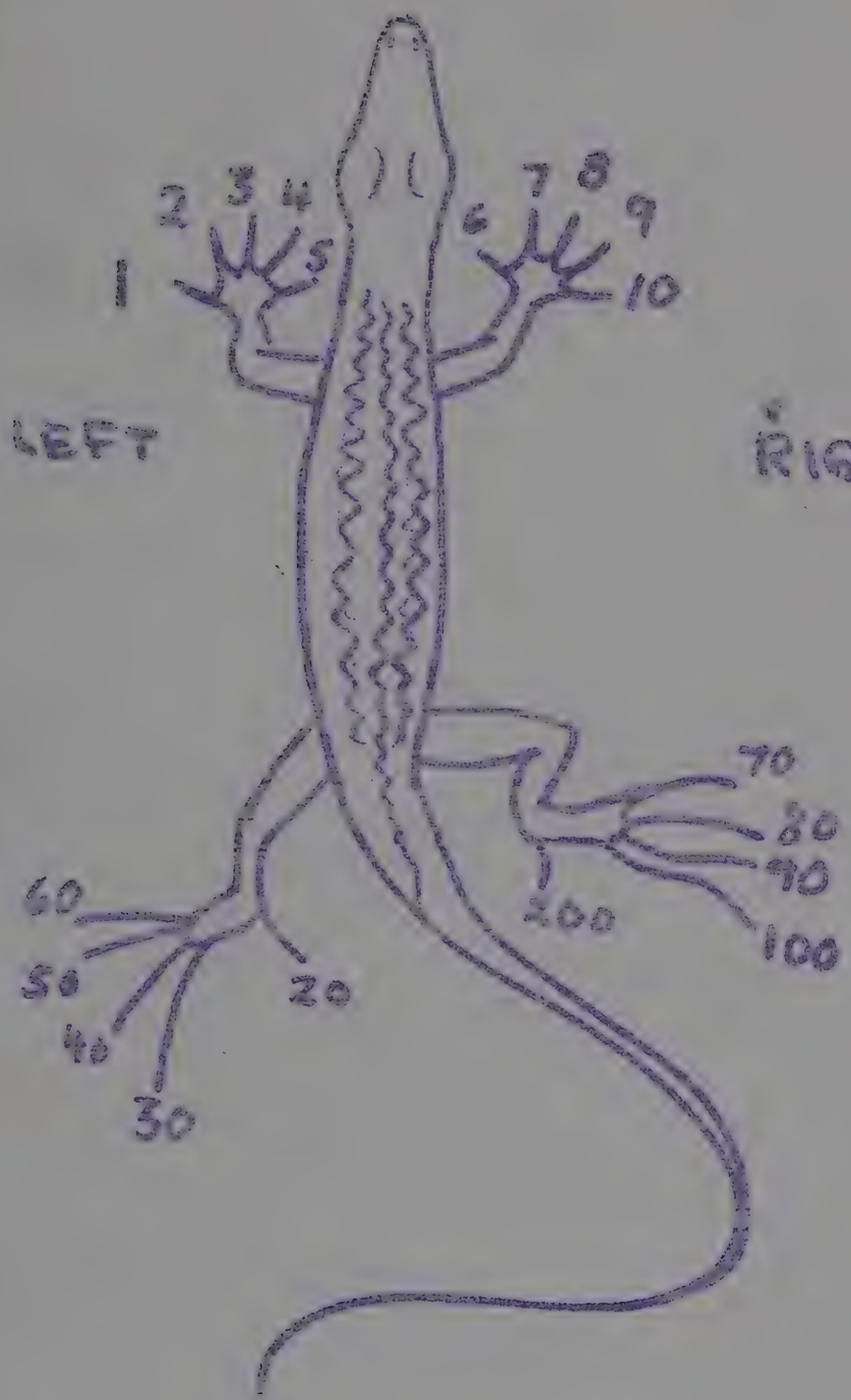
Distances Between Points

Glamis – Dale Dry Lake (via Blythe):	163 miles
Palm Desert – Nightingale:	13 "
Palm Desert – Lake Hemet:	29 "
Palm Desert – Mountain Center:	35 "
Mountain Center – Idyllwild:	4 "
Idyllwild – Pine Cove:	3 "
Palm Desert – Pine Cove:	42 "
Mountain Center – Pine Cove:	7 "
Riverside – Pine Cove (via Banning):	56 "
Lake Fulmor – Pine Cove:	7 "
Banning – Pine Cove:	21 "
Hemet – Pine Cove:	26 "
Riverside – Pine Cove (via Hemet):	62 "
Borrego Palm Canyon – Scissors Crossing:	23 "
Borrego Palm Canyon – Riverside:	126 "
East end of Box Canyon – Mecca:	12 "
Glamis – Dune Crest Drive:	4 "
Glamis – Coachella Canal:	7 "
Glamis – Highline Canal:	14 "
Rice – San Berdoo-Riverside Co. line:	29 "
Rice road junct. – San Berdoo-Riverside Co. line:	7 "
29 Palms – Riverside-San Berdoo Co. Line:	46 "
~~Co. line – Rice Road:~~	~~7 "~~
Old Dale – Joshua Tree Nat'l. Mon. boundary:	13 "
Old Dale – Paved road in Joshua Tree Nat'l. Mon:	26 "
Mexicali – La Puerta:	23 "
Mexicali – Rumorosa:	42 "
Tecate – Rumorosa:	37 "
La Puerta – Los Medanos:	34 "
Mexicali – Los Medanos:	55 "
Los Medanos – La Ventana:	15 "

Distances Between Points

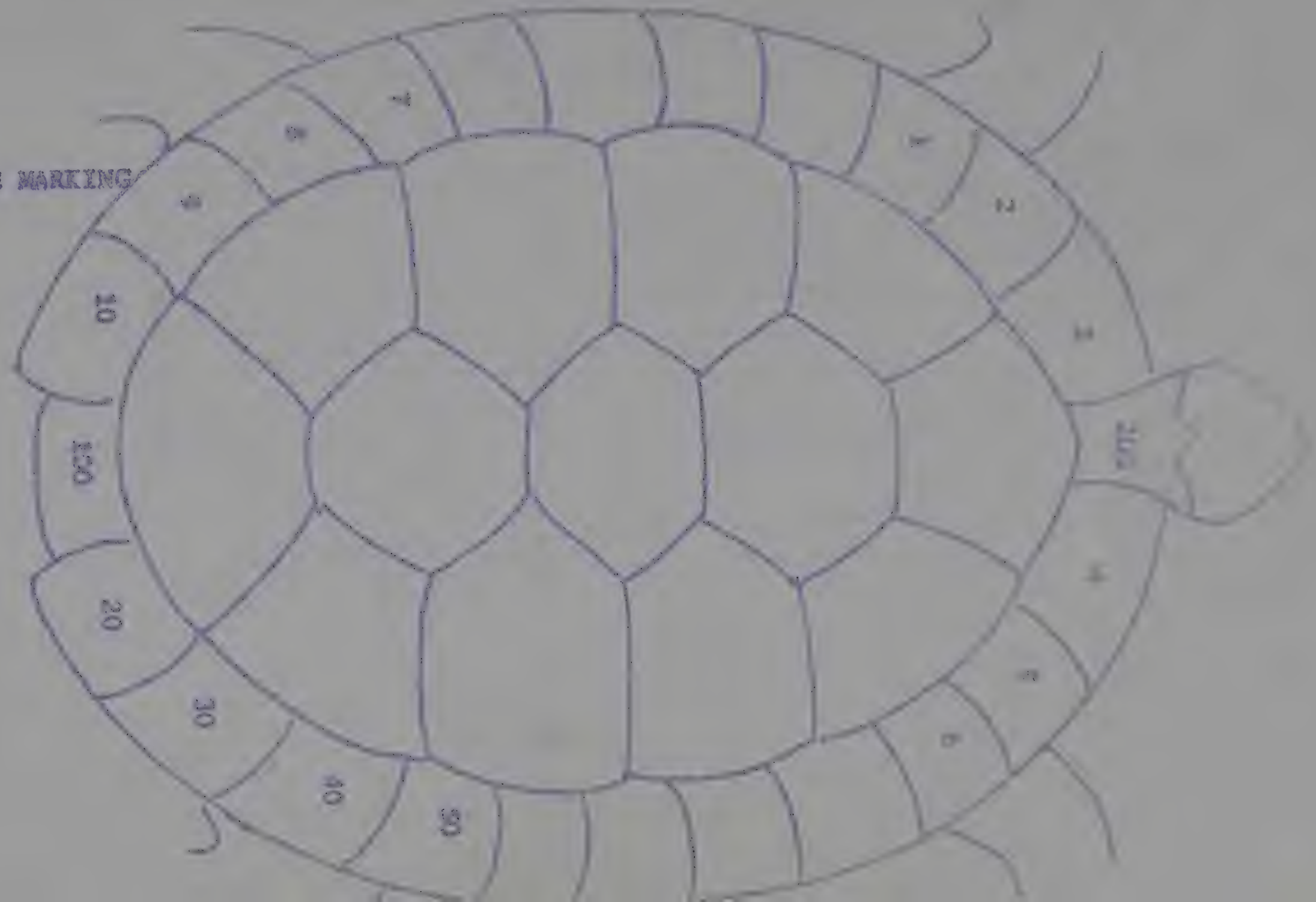
Brawley – Intersection Hiways 99-78: 24 miles
UCR – Ocotillo Wells: 130 "
Ocotillo Wells – San Diego Co. line: 3 "
San Diego Co. line – San Felipe Creek: 2 "
San Felipe Creek (on 78) – 99-78 intersection: 11 "

[Glamis Bridge – 698.20]
[Lush areas E. of Dunes: Turn at bridges {692.25 / 690.14}]



DORSAL VIEW

TORTOISE MARKING



DORSAL VIEW

Lizards Seen Drinking Water in the Lab.

Dipsosaurus dorsalis
Sceloporus orcutti
Amphibolurus pictus
Uma notata
Sauromalus obesus
Uma inornata
Uma scoparia
Sceloporus magister
Crotaphytus wislizeni
Urosaurus graciosus

Lizards That Eat Lettuce

Dipsosaurus dorsalis
Amphibolurus pictus
Uma notata

Last Toe-clip No.

Phryn. m'calli – ~~126~~ 129

Uma notata – ~~169~~ [~~206~~] 232

" scoparia – 141

" inornata – ~~113~~ (200+100+8+1; 40+10) 145

Uma Coma

Phryn. m'calli (new series) – 16

ENLARGED TESTIS SIZE (cm^3)

CALLISAURUS D. - 40

COLEONYX V. - 25

DIPSOSAURUS D. - 100

PHRYNOSOMA D'ORBIGNI - 75

SCELOPORUS GRACIOSUS - 80

SCELOPORUS MAGISTER - 100

SCELOPORUS OCCIDENTALIS - 100

UMA INCRNATA - 60

UMA NOTATA - 50

UMA SCOPARIA - 60

XANTUSIA G. - 20

UTA STANSBURIANA - 30

ENLARGED EGGS (LIGHT MICROSCOPE)

CANNISARIUS D. – 3

COLEONYX V. – 4

DIPLOSARUS D. – 5

PARYNISOMA MEDIALE – 4

SCELOPORUS UNDULATUS – 4

SCELOPORUS MAGISTER – 4

SCELOPORUS OCCIDENTALIS – 3

UMA INUSTATA – 5

UMA NOTATA – 5

UMA SCOPARIA – 5

UTA GRAMMICA – 3

UTA STANSBURIANA – 3

Lizard Temps. Measured in 1964 + 1965

Uta stans. - ~~26~~ 15 — 13
Scel. occid - 4 — 16
" orcutti - ~~42~~ 41 — 9
Uros. grac. - ~~12~~ ~~21~~ ~~33~~ 39
Phryn. m'calli - ~~2~~ ~~15~~ ~~21~~ 28
Callis. drac. - ~~16~~ 16
Uma scop. - ~~21~~ 33
Cnem. tig. - ~~2~~ 6
Phryn. platy. - ~~6~~ 8
Coleonyx - ~~4~~ 13
Uma notata - ~~8~~ ~~29~~ ~~31~~ ~~63~~ 191
Scel. mag. - ~~2~~ 7
Dipso. - 1
Crot. wisl. - ~~2~~ ~~2~~ 5

1964 = 278
1965 = 229

No. Lizards Dissected in 1964 + 1965

Uta stans. – ~~2 5 8 14~~ 17 11

Scel. occid. – 1

Uma notata – ~~2~~ 3 9

Uros. grac. – ~~2 18 20 24 26 34~~ 40

Phryn. platy. – ~~6 7~~ 8

Callis. drac. – ~~3 6~~ 8 9

Cnem. tig. – ~~2 6~~ 8

Phryn. m'calli; – ~~3 6~~ 10

Coleonyx – ~~1 4~~ 16

Uma inornata – 1

Scel. mag. – ~~2~~ 6 1

Crot. wislizeni – ~~2~~ 3

Cnem. hyper. – 1

Gerr. mult. – ~~2~~

Gerr. coer. – 1

Tagged Animals in the Field

Algodones Dunes

Uma notata —: 1-200; 230-231; 130+10. (124-132 duplicated)
Coleonyx —: 1-14; 26-35; 60. (1-3 & 35 duplicated)
Urosaurus —: 1-2

100 Palms

Uma inornata —: 1-42 (37-39 duplicated)
Dipsosaurus —: 1-6

Dale Dry Lake

Uma scoparia —: 1-222; 139+1; 156+1; 157+1; 158+1; 220+10.
Dipsosaurus —: 1-14; 20-23; 30; 64-69.

Palm Springs

Dipsosaurus —: 1-11

UCR

Scel. orcutti —: 1-11; 18

Last Reptile Number Used

Code	Name	Number
11	Callisaurus	237 ~~239~~ ~~240~~ ~~243~~ ~~244~~ ~~246~~ 255
21	Cnemid. hyper.	44 45
20	" tigris	116 ~~118~~ ~~123~~ ~~124~~ 126
16	Coleonyx	351 ~~365~~ ~~366~~ 367
18	Crotaphytus collaris	37
19	" wislizeni	101 ~~103~~ ~~104~~ 105
15	Dipsosaurus	704
23	Gerrhonotus	23 ~~24~~ ~~25~~ 26
13	Phrynosoma coronatum	16
12	" m'calli	214 ~~215~~ ~~219~~ 224
14	" platyrhinos	78 ~~84~~ 86
17	Sauromalus	64
4	Scel. grac.	540
3	" magister	204 ~~208~~ ~~209~~ 213
2	" occident.	640 641
1	" orcutti	215
6	Uma inornata	479 480
5	" notata	721 ~~723~~ ~~724~~ 730
7	" scoparia	580
10	Urosaurus	410 ~~411~~ ~~428~~ ~~430~~ ~~436~~ ~~###~~ 450
9	Uta mearnsi	3
48	" ornata	10
8	" stans.	393 ~~396~~ ~~398~~ ~~401~~ ~~419~~ 430
47	Xantusia hen.	37

1/1/63
5,780
1/1/64
6,217

Minimum S-V Lengths (mm) Considered as Adult

Species	♂	♀	max. juv.
Callisaurus	70	65	45
P. m'calli	63	63	45
" platyrhinos	65	65	
Coleonyx	55	55	–
Dipsosaurus	115	110	60
Uma spp.	80	70	50
Scel. grac.	55	50	
" mag.	85	75	
" occid.	65	60	
" orcutti	90	85	60
Urosaurus	45	45	–
Uta stans.	45	43	–
Sauromalus	170 ?	120	
Crot. wislizeni	90	90	
Cnem. tigris	80	70	

Birds

Rept

Birds

Birds

Mayhew 1955

May 24

Amphispiza belli
(Bell sparrow)

Eugene Cardiff tells me that 2 subspecies are separated by a ridge in some areas. The coastal form (belli belli) occurs in Lone Pine Canyon (mostly chamise) and the intermediate form (belli canescens) occurs in Shep Creek Canyon (Artemisia, Purshia, Yucca brevifolia, pinyons).

1959

Feb. 5

5 mi. W. of Glamis, Imperial Co., Calif.

Several of these birds were seen on the Yuma Dunes feeding with house finches, white-crowned sparrows, and Audubon's warblers. They ran across the sand rather than hopped as the other fringillids did. They seemed to be eating seeds on and under the annuals that are still present in dry form.

Mayhew
1960

Amphispiza bilineata

(Black-throated sparrow)

April 21

37 mi. E. of 29 Palms, San Bernardino Co., Calif.

Three young birds that were barely able to fly were seen on a rocky area in the midst of creosote bush scrub. Apparently they were just out of the nest. The parents fluttered about near-by. None of the young birds flew more than 50 feet before returning to the ground and hiding in the vegetation.

Mayhew 1957

May 2

Univ. of Calif. campus, Riverside, Riverside Co., Calif.

that it contained six eggs. They are almost round and rather pinkish in color. They aren't much bigger than those of a hummingbird.

May 15

When I looked in the nest XII O at 1 PM today, an adult was sitting very tightly on the nest. It didn't flush for several seconds after the observation door was opened. There are 3 newly hatched young & 3 eggs. The young birds appeared to have been out of the egg for only a short period of time (a few hours).

May 30

4 fully feathered young birds are in nest XII O now. The white stripe over the eye is quite obvious. I didn't see any sign of the adults.

1958

Univ. Calif. campus, Riverside, Riverside Co., Calif.

March 10

Ed Corwan found a nest yesterday or the day before from which he took the eggs and set them in the incubator. One egg hatched yesterday (3/9/58) and two more have hatched by 10 AM today. Therefore, this nest must have been completed sometime in late February.

Mayhew
1963

Lanius ludovicianus
(Loggerhead Shrike)

April 11

Palm Springs, Riverside Co., Calif.

This morning I found a nest in a Larrea divericata that contained 5 young. The nest was composed of rather coarse twigs, and was about 3 feet above the ground. One of the adults hopped off the nest to a branch about 3 feet from the nest. The young birds seemed to be quite large, but their eyes still were closed & they didn't even possess a down covering. The skin of each was almost black. Feather papillae could be seen over their backs.

Mayhew
1981
October 18

Raven

Pinyon Flat, Riverside Co., Calif.

Since September 1979, I have been seeing large numbers of Ravens at Pinyon Flat in September, October and November of each year (see data sheets for Transects 13, 14, 15 and 16 in the Deep Canyon Transect). However, I was unable to account for this increase in numbers during these months. Now I know why they congregate here at this time. They are feeding on pinyon nuts. At 1555 today I saw a Raven fly overhead with a pinyon cone in its beak. I began to look closely at the Ravens resting in the pinyon pines. I saw a bird pick at a pinyon cone. A bract or some other object came from the cone and fell to the ground. This occurred several times before the bird removed the cone from the tree and flew away with it (the cone) in its beak. Many of these birds were in the tops of the pines, apparently gathering the nuts from the cones.

Mayhew
1957

April 6

Swainson Hawk

West side of Salton Sea, Imperial Co, Calif.

Over 100 of these birds were counted in a loosely attached group circling along highway 78 approximately 5 miles west of highway 99. These birds were seen sitting on the ground and on low perennial plants, as well as slowly circling in the air. We were able to approach a few of them quite closely. They were seen at 9:30 A.M.

Reptiles

Reptiles

Birds

Mayhew
1960

Arizona elegans

Apr. 13

6 mi. N.W. of 1000 Palms, Riverside Co., Calif.

An immature animal was caught on the road at 2135. The air temp (30") was 23.2°C. The body temp. of the snake was difficult to get because the animal was so small. Eventually the thermometer was inserted into the cloaca + a temp. of 26°C. was recorded. The animal was then released.

1964
June 4

Glamis area, Imperial Co., Calif.

an adult was captured 8 miles west of Glamis at 0705 this morning as it was crossing the paved road we were traveling.

Mayhew
1963

Bufo punctatus

Dec. 26

UCR, Riverside Co., Calif.

The young toads Lyn Rath brought back to the laboratory on October 28th from Purgatory Wash (hatched from eggs laid after the storm of September 17th) were weighed & measured today. Their measurements:

#	S-V length (mm)	Weight (gms)
1	27	2.1
2	25	1.5
3	21	0.7

Mayhew 1958

Chemidophorus hyperythrus 1.

May 10 — UCR campus, Riverside Co., Calif.

This morning Brent Browning and Steve Ramsey captured an adult in the future botanical garden on the S.E. edge of the campus.

July 16 — For the past two weeks three of us have been diligently searching the areas around the rocky outcrops on the southern edge of the campus looking for Sceloporus orcutti. Hoping this species also occurs in the same general location. In spite of our activities in catching S. orcutti, only 1 specimen of this species has been seen. It was not captured, although an effort was made to do so.

1959

April 11 — UCR campus, Riverside Co., Calif.

Two adults were seen in thick brush on the south edge of the campus, but neither could be caught.

1962

Nov. 12 — Ken Evans trapped a juvenile today on the S.E. portion of the campus. It measured 38 m.m. in S-V length.

Mayhew

Cnemidophorus tigris

Mayhew
1960

Crotalus scutulatus

April 23 — 2 1/2 mi. N.W. of Phelan, San Bernardino Co., Calif.

David Reuther caught an adult ♂, 39 inches long, under an old piece of tin. It was completely hidden from view, but rattled when he approached. Air temp. was 55°F., wind ~ 15 mph from the west. It was captured at 1315. The location was the ruins of an old ranch.

Mayhew
1958

Lampropeltis getulus

July 23 UCR campus, Riverside Co., Calif.

This morning at 0900 and adult about 30 inches long was seen lying perfectly still in some brush about 20 feet below our wooden blind at the south edge of the campus. It remained still when Frank Awbrey walked down to look at it. He stopped about 3 feet from the snake, which was banded black and bright yellow. As soon as Frank started to return to the blind, the snake disappeared in thick brush down the hill.

Mayhew 1959

Masticophis flagellum

Apr. 25 — 5 mi. W. of Glamis, Imperial Co., Calif.

A young of was captured at 1210 today while it was lying coiled in the sand at the mouth of a hole. This was in the sand dune area (Algodones Dunes) covered with creosote bush scrub. The sky was completely overcast at the time (had been all day); the air temp (30") was 26.5°C., (1cm) was 29.5°C., soil surface temp. was 36.8°C.

May 9 — 3 mi. S.E. of Hesperia, San Bernardino Co., Calif.

At 1430 an adult was captured beside a Joshua tree. The weather was quite mild for this time of the year in that area.

1960

Apr. 11 — 10 mi. E. of Dale Dry Lake, San Bernardino Co., Calif.

The largest snake of this species I have ever seen was found DOR this afternoon. It was 5 feet long, and bigger in diameter than any I have seen.

15 mi. E. of Dale Dry Lake, San Bernardino Co., Calif.

Another DOR, 45 inches long, was found on the road this afternoon. It was nearly as big in diameter as the one found earlier.

Masticophis lateralis

Mayhew

Uta stansburiana

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